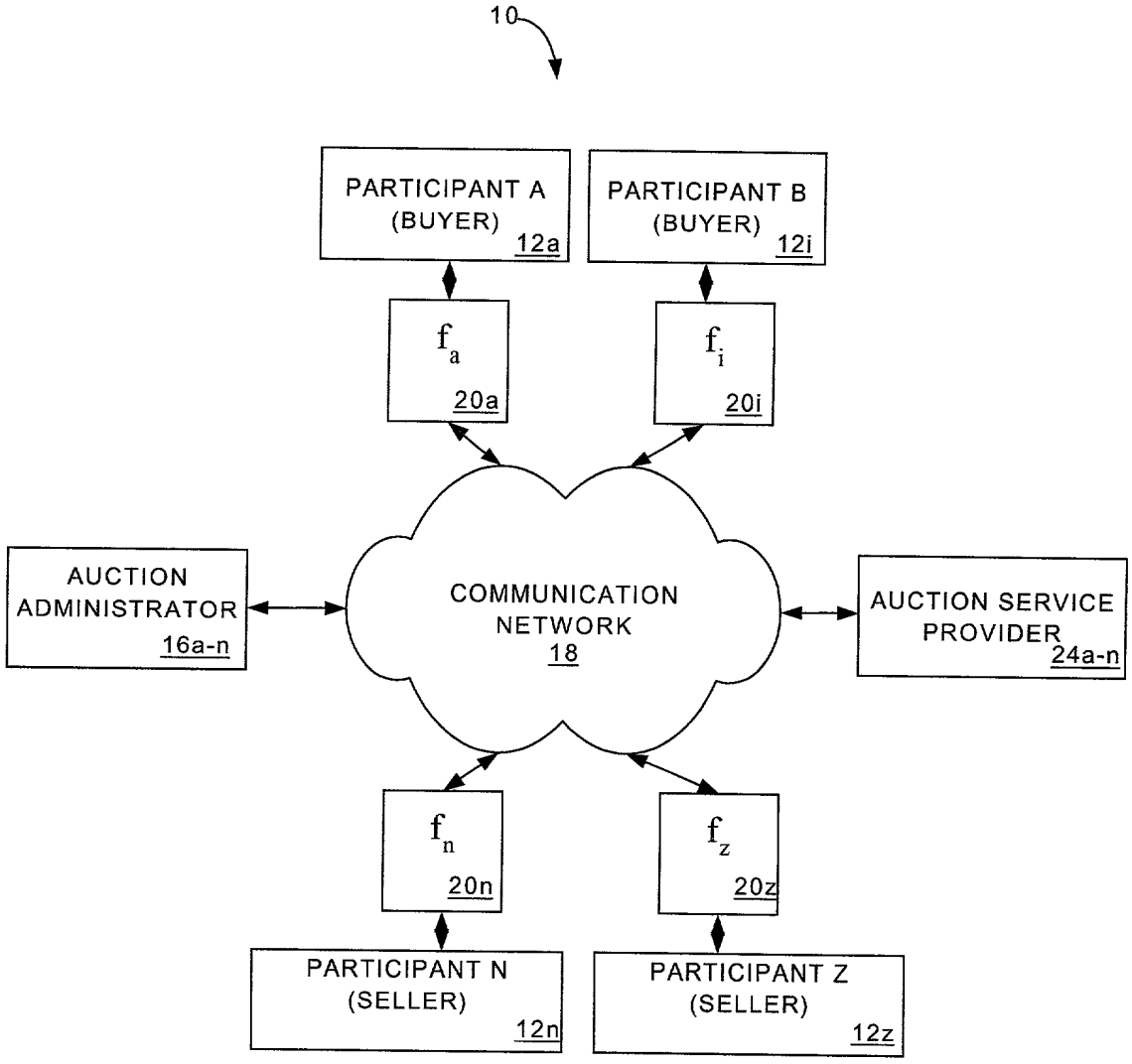
10
PARTICIPANT A
(BUYER)
12a
PARTICIPANT B
(BUYER)
12i
f_a
20a
f_i
20i
AUCTION
ADMINISTRATOR
16a-n
COMMUNICATION
NETWORK
18
AUCTION SERVICE
PROVIDER
24a-n
f_n
20n
f_z
20z
PARTICIPANT N
(SELLER)
12n
PARTICIPANT Z
(SELLER)
12z

FIG. 1

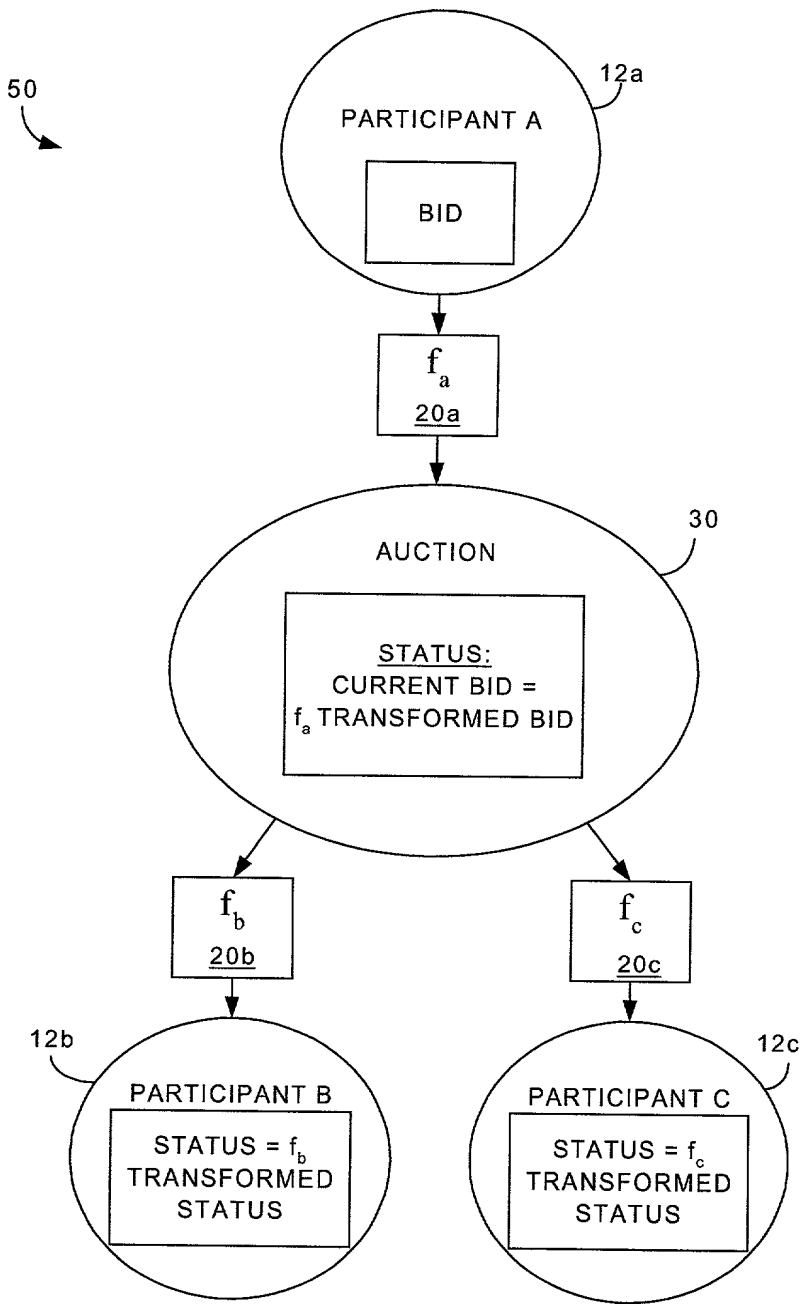
50
PARTICIPANT A
12a
BID
f_a
20a
AUCTION
30
STATUS:
CURRENT BID =
f_a TRANSFORMED BID
f_b
20b
f_c
20c
12b
PARTICIPANT B
STATUS = f_b
TRANSFORMED
STATUS
12c
PARTICIPANT C
STATUS = f_c
TRANSFORMED
STATUS

FIG. 2

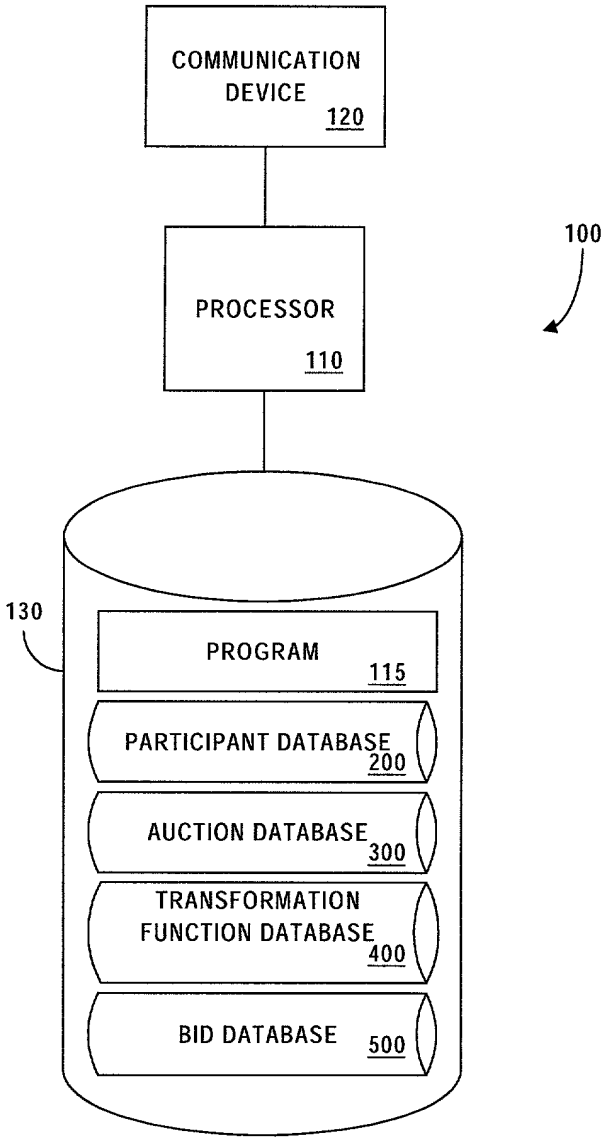
COMMUNICATION DEVICE
120
PROCESSOR
110
100
130
PROGRAM
115
PARTICIPANT DATABASE
200
AUCTION DATABASE
300
TRANSFORMATION FUNCTION DATABASE
400
BID DATABASE
500

FIG. 3

200

PARTICIPANT IDENTIFIER 202	NAME 204	CONTACT INFORMATION 206	TRANSFORMATION RULE(S) 208
P1001	COMPANY.COM	REP@COMPANY.COM	IF Total Bid >=$35K, THEN (F1001, F1006)
P1002	BIG BUYER, CO.	111 HIGH STREET NEW YORK, NY 10010	IF P1002=bidder, THEN F1008
P1003	FRED CHAN	FRED@CHANCON.COM	IF P1003=bidder AND Offer > $10,000, THEN F1008
P1004	MANUFACTURING CO.	(555)555-1212	F1001, F1006
P1005	BIG BANK, CO.	50 MIDTOWN AVE NEW YORK, NY 10010	IF Soliciting Party = P1004, THEN (F1001, F1006)
P1006	SMALL ENTITY, CO.	15 NEWBURY ST. BOSTON, MA 12222	IF Item = LAPTOP COMPUTER, THEN F1007
P1007	UK CO. LTD	1 KENSINGTON, LONDON, UK	F1004

FIG. 4

300

AUCTION IDENTIFIER 302	OFFEROR IDENTIFIER 304	ITEM IDENTIFIER 306	BID RULE(S) 308
A1001	P1004	I1001 (LAPTOP COMPUTER)	$300 Start Bid; Forward; Open bid; $1 incr; Lot Size 100; 12:00EST 1/1/01 Start; 12:00 EST 1/5/01 End
A1002	P1004	I1002(DESKTOP COMPUTER)	$200 Start Bid; Forward; Open bid; $1 incr; Lot size 100; 12:00EST 1/1/01 Start; 12:00 EST 1/5/01 End
A1003	P1004	I1003 (30GB HARD DRIVE)	$35 Start Bid; Forward; Open bid; $.1incr; Lot Size 100; 12:00EST 1/1/01 Start; 12:00 EST 1/5/01 End

FIG. 5

400

FUNCTION IDENTIFIER 402	TRANSFORMATION RULE(S) 404	TRANSFORMATION DESCRIPTION 406
F1001	Increase Bid by 10%	Strategic Partner Credit
F1002	If Bid Quantity > 100K Units, then increase Bid by 20%	Bulk discount
F1003	Increase Bid by $100	Flat rate shipping
F1004	Convert Bid Currency to Auction Currency	Currency Exchange
F1005	Convert Auction Currency to Participant Currency	Currency Exchange
F1006	Decrease Current High Bid by 10%	Display Status For Strategic Partners
F1007	If Item = Laptop Computer, Then Item Configuration = 15" SVGA; 30G HD; Xircom NIC	P1006 Standard Laptop Computer Configuration
F1008	Auction Fee = $0	Auction registration fee waiver

FIG. 6

500

AUCTION IDENTIFIER 502	PART. IDENTIFIER 504	BID 506	TRANS. FUNCTION 508	TRANSFORMED BID 510	CURRENT BID INFORMATION 512
A1001	P1002	$320/unit; 1 Lot ($32K)	F1001	$352/unit; 1 Lot ($35.2K)	$352/unit; 1 Lot; 15:00EST; 1/1/01
A1002	P1003	$200/unit; 1 lot ($20K)	F1008	$200/unit; 1 lot ($20K)	$200/unit; 1 Lot; 15:00EST 1/1/01
A1003	P1007	25£/unit; 1 lot (2.5K£)	F1004	$35.5/unit; 1 lot ($3.5K)	$35.5/unit; 1 Lot; 9:00EST; 1/2/01

FIG. 7

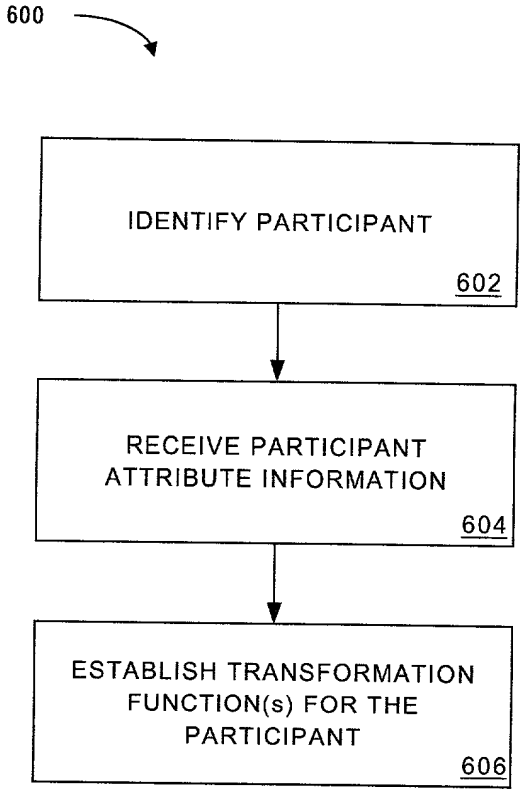
600
IDENTIFY PARTICIPANT
602
RECEIVE PARTICIPANT ATTRIBUTE INFORMATION
604
ESTABLISH TRANSFORMATION FUNCTION(s) FOR THE PARTICIPANT
606

FIG. 8

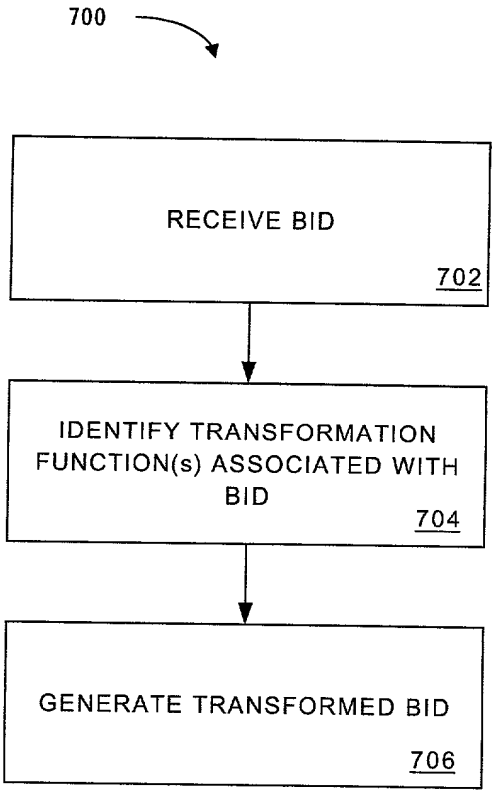

FIG. 9

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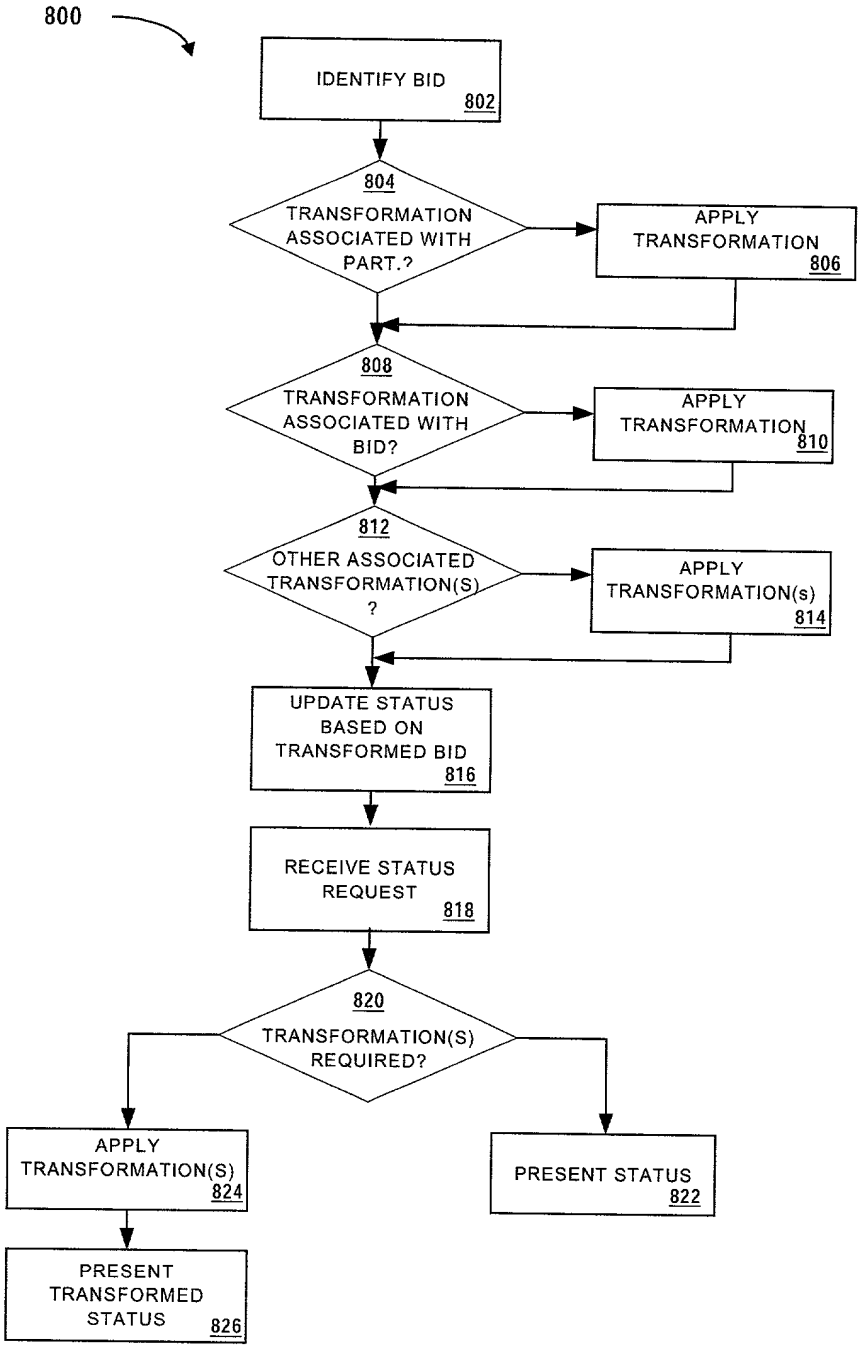
800
IDENTIFY BID
802
804
TRANSFORMATION ASSOCIATED WITH PART.?
APPLY TRANSFORMATION
806
808
TRANSFORMATION ASSOCIATED WITH BID?
APPLY TRANSFORMATION
810
812
OTHER ASSOCIATED TRANSFORMATION(S) ?
APPLY TRANSFORMATION(s)
814
UPDATE STATUS BASED ON TRANSFORMED BID
816
RECEIVE STATUS REQUEST
818
820
TRANSFORMATION(S) REQUIRED?
APPLY TRANSFORMATION(S)
824
PRESENT STATUS
822
PRESENT TRANSFORMED STATUS
826

FIG. 10